

*In the Claims:*

Claims 1, 2 and 4 – 15 have been previously cancelled.

3. (Previously Amended) The polynucleotide of claim ~~19~~ 16 wherein the polypeptide is fused to a carrier polypeptide or other carrier molecule.
16. (Previously Added) An isolated polynucleotide which encodes a polypeptide selected from the group consisting of SEQ ID NO:17, SEQ ID NO:19, SEQ ID NO:20, and SEQ ID NO:21.
17. (Previously Added) The polynucleotide of claim 16 which is DNA.
18. (Previously Added) The polynucleotide of claim 16 wherein said polynucleotide is selected from the group consisting of SEQ ID NO:16 and SEQ ID NO:18.
19. Cancelled.
20. Cancelled.
21. (Currently Amended) An expression vector comprising the following operably linked elements:
  - a transcription promoter;
  - a DNA segment which encodes a polypeptide selected from the group consisting of: ~~at least 15 contiguous amino acid residues of~~ SEQ ID NO:17, SEQ ID NO:19, SEQ ID NO:20, or SEQ ID NO:21.; and
  - a transcription terminator.
22. (Previously Added) The expression vector of claim 21 wherein the DNA segment encodes a polypeptide selected from the group consisting of SEQ ID NO:17, SEQ ID NO:19, SEQ ID NO:20, and SEQ ID NO:21.
23. (Currently Amended) The expression vector of claim 21 wherein the DNA segment encodes a chimeric polypeptide comprising a ~~second mammalian~~ an affinity tag ~~polypeptide~~ joined by a peptide bond to a ~~said~~ polypeptide selected from the group consisting of SEQ ID NO:17, SEQ ID NO:19, SEQ ID NO:20, and SEQ ID NO:21.

24. (Previously Added) The expression vector of claim 21, further comprising a secretory signal sequence operably linked to the DNA segment.
25. (New) The expression vector of claim 23, wherein the affinity tag is selected from the group comprising: a poly-histidine tract, protein A, and glutathione S transferase.